INTERNATIONAL SEARCH REPORT

lı vational Application No PCT/IT2004/000389

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 G07B17/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7 G07B B07C G07F H04N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to daim No.
X	EP 1 306 813 A (SAMKYUNG C & C CO LTD) 2 May 2003 (2003-05-02)	1,3-33, 35-37
Y	paragraph '0015! - paragraph '0018! paragraph '0021! - paragraph '0022! figures 1-4,6,7	2,34
Y	US 5 828 469 A (KOWALSKI ROBERT P ET AL) 27 October 1998 (1998-10-27) column 1, line 48 - column 2, line 44 column 3, line 26 - column 5, line 57 figures 1-6	2,34
X	EP 0 701 227 A (SIEMENS NIXDORF INF SYST) 13 March 1996 (1996-03-13)	1,16,37
A	column 3, line 29 - column 5, line 9 figures	34
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Further documents are listed in the continuation of box C.	Patent family members are listed in annex.
Special categories of cited documents: 'A' document defining the general state of the art which is not considered to be of particular relevance 'E' earlier document but published on or after the international filling date 'L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) 'O' document prierring to an oral disclosure, use, exhibition or other means 'P' document published prior to the international fliing date but later than the priority date claimed	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "8" document member of the same patent family
Date of the actual completion of the international search 19 October 2004	Date of malling of the international search report 03/11/2004
Name and mailing address of the ISA European Palent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Hijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer Paraf, E

INTERNATIONAL SEARCH REPORT

t—national Application No
PCT/IT2004/000389

		PC1/112004/000389		
	ation) DOCUMENTS CONSIDERED TO BE RELEVANT			
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to daim No.		
X A	US 6 169 978 B1 (SIEBER STEFAN ET AL) 2 January 2001 (2001-01-02) column 1, line 60 - column 2, line 14 column 3, line 1 - line 42 column 4, line 40 - line 42 column 5, line 1 - line 17 column 6, line 6 - line 13	16,37		
A	US 5 280 545 A (MASUDA RYUICHI) 18 January 1994 (1994-01-18) column 2, line 25 - column 3, line 29 figures 1,4,7	1,34		

INTERNATIONAL SEARCH REPORT

Information on patent family members

It____eational Application No PCT/IT2004/000389

Patent document cited in search report	Publication date				Publication date	
EP 1306813 A	02-05-2003	KR 2 EP	003004975 1306813		15-01-2003 02-05-2003	
US 5828469 A	27-10-1998	NONE				
EP 0701227 A	13-03-1996	DE DE EP ES	4432209 (59509462 0701227 / 2161257	D1 A1	21-03-1996 06-09-2001 13-03-1996 01-12-2001	
US 6169978 B	02-01-2001	DE AT CA WO DE DE EP EP	19545158 179271 2233360 9713223 29521102 59601733 0852775 0858055 2134006	T A1 A1 U1 D1 A1 A2	05-06-1997 15-05-1999 10-04-1997 10-04-1997 08-08-1996 27-05-1999 15-07-1998 12-08-1998 16-09-1999	
US 5280545 A	18-01-1994	JP JP JP DE DE EP	2234273 2821161 2179159 68926160 68926160 0376312	B2 A D1 T2	17-09-1990 05-11-1998 12-07-1990 09-05-1996 02-10-1996 04-07-1990	